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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/506,432	09/02/2004	Koon Seok Lee	7950.029.00-US	1283
30827 7590 10/05/2007 MCKENNA LONG & ALDRIDGE LLP 1900 K STREET, NW WASHINGTON, DC 20006			EXAMINER TRUONG, LECHI	
			ART UNIT 2194	PAPER NUMBER
			MAIL DATE 10/05/2007	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	Application No. 10/506,432	Applicant(s) LEE, KOON SEOK	
	Examiner LeChi Truong	Art Unit 2194	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 13 July 2007.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-5 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.


**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

  
**WILLIAM THOMSON**  
 SUPERVISORY PATENT EXAMINER

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date: _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### DETAILED ACTION

1. Claims 1-5 are presented for examination.

#### *Claim Rejections - 35 USC § 103*

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bione (US 2003/0056225 A1) in view of Tsao (US. Patent 7,076,491 B2) and further in view of Hallenbeck(US 2006/0004920 A1).

**As to claim 1**, Bione teaches the invention substantially as claimed including: controlling a home network system (controlling multimedia devices, abstract, ln 1-2/ other electronically controllable home systems, para [0028], ln 8-11/ control at least one multi-media device, left col 6, ln 23-25),

inputting control data of a user (the information input by the user, para [0049], ln 10-13/ the user select the desired television channel with user interface 242, para [0051], ln 2-4/ entering information with the user, para [0054], ln 1-3);

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the message (an instruction message, para [0049]/ ln 11-13/ para [0056], ln 3-6/ a digital transmission message, para [0049], ln 11-16/ channel selected message, para [0051], ln 3-7), generating a message by the input control data (para [0049], ln 11-13/ln 11-16/ para [0051], para [0054], ln 2-6/ln 3-7/ para [0056], ln 3-6);

application (the module, para [0051], ln 3-7/ para [0045], ln 5-7 / para [0024], ln 6-9/ para [0058], ln 12-15/mult imedia module, para [0060], ln 6-12), transmitting the generated message to a corresponding appliance (para [0060], ln 6-12/ para [0051], ln 3-7);

control function (volume/tone adjust, on/off, VCR programming, etc, para [0061], ln 5-8), performing a corresponding control function (para [0061], ln 5-8), performing a corresponding control function by analyzing the transmitted file (para [0058], ln 6-10/ para [0060], ln 5-11/para [0056], ln 4-9).

Bione do not explicitly teaches the message as file. However, Tsao teaches a file (generating and editing data files, each data files including an array of main data objects that each have unique address ... means for generating includes means for receiving in working memory user input defining the address of a main data object of a particular data file, col 6, ln 42-48).

It would have been obvious to one of the ordinary skill in the art at the time the invention was made to modify the teaching of Bione with Hallenbeck to incorporate with the feature of a file because this allows the unified user interface to preserve data integrity across plural application types and a variety of operating system with the high productivity and compatible.

Bione and Tsao do not teach a format of the generated filed depends on a manufacturer of an appliance( receive a packet that is formatted to direct a change in a state of the ouput. If the

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output is connected to premises-based apparatus, such as a heating system, appliance, or security system, the change in state of the output might be effected to communicate with the premises-based apparatus( para[0008], ln 1-8).

It would have been obvious to one of the ordinary skill in the art at the time the invention was made to modify of the teaching of Bione and Tsao to incorporate with the feature of a format of the generated file depends on a manufacturer of an appliance because this the inputs and outputs can be sent and received in various format to communicate with different premises-based apparatus.

**As to claim 2**, Tsao teaches generating the file by the input control data means generating a data array-type of file according to the input control data (generating and editing data files, each data files including an array of main data objects that each have unique address ... means for generating includes means for receiving in working memory user input defining the address of a main data object of a particular data file, col 6, ln 42-48).

**As to claim 3**, Bione teaches transmitting the generated file to a corresponding appliance means transmitting the file to a corresponding appliance by utilizing a standardized factor structure for every command (para [0058], ln 13-15/ para [0056], ln 4-7/para [0023], ln 6-10).

**As to claim 4**, Bione teaches the standardized factor structure comprises current packet number, total number of packets, option, number of data, and data array format (para [0056], ln 3-7/ para [0061], ln 5-9) and Hallenbeck teaches the standardized factor structure comprises current packet( para[0052], ln 1-6)

**As to claim 5**, Tsao teaches transmitted in a file format to the data array area (col 9, ln 9-12/ col 10, ln 27-30).

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LeChi Truong whose telephone number is (571) 272 3767. The examiner can normally be reached on 8 - 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomson, William can be reached on (571) 272 3718. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.


Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications

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may be obtained from either Private PAIR of Public PAIP. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIP system, contact the Electronic Business Center (EBC) at 866-217-9197(toll-free).

LeChi Truong

September 27, 2007

  
WILLIAM H. JOHNSON  
SUPERVISORY PATENT EXAMINER